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(54) A device for cleaning floors or decks

(57) A device for cleaning floors or decks comprises a hood (1), wheels (2) within the hood for supporting it with its rim (3) clear of the floor or deck, a tubular spindle extending within the hood from a rotary fluid coupling (5) secured to the top (6) of the hood, a plurality of tubular arms (7) radiating from and communicating with the tubular spindle, a nozzle (8) at the end of each arm (7) inclined to the axis thereof away from the top (6) of the hood (1), a handle (9) preferably of the bail type with its ends on horizontal pivots (10) on brackets (11) on the hood (1), and a hose connection (12) on the rotary fluid coupling (5) for a pressure water supply, preferably forming part of a stop cock (13).

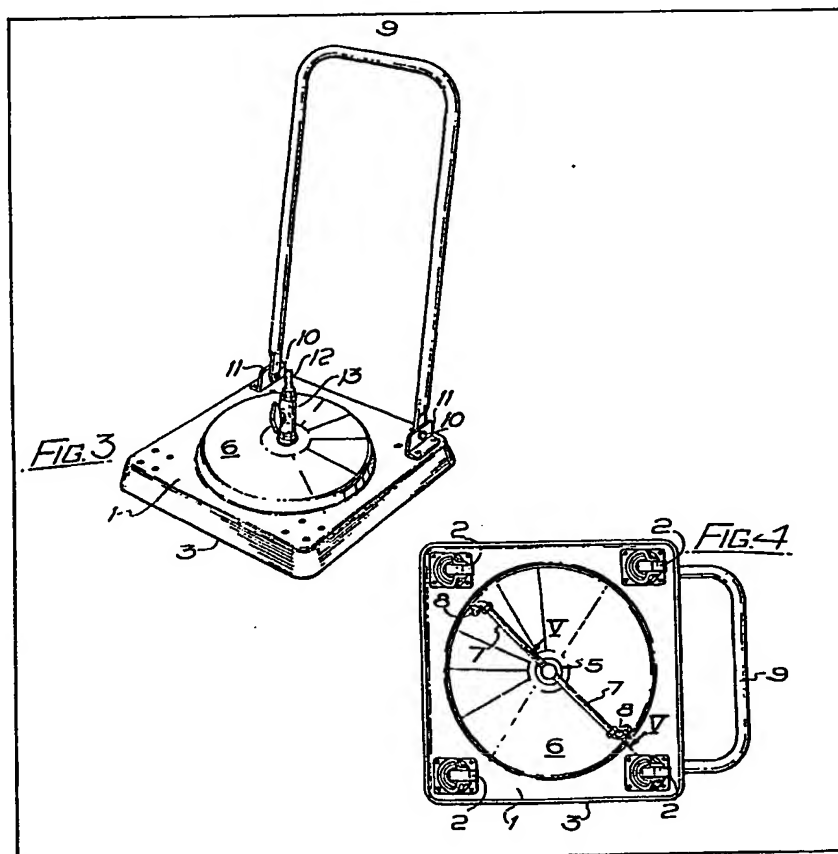
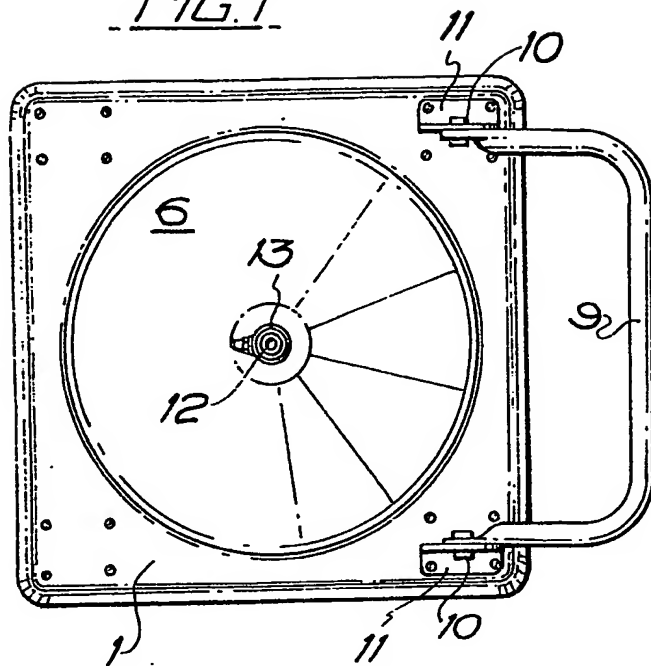
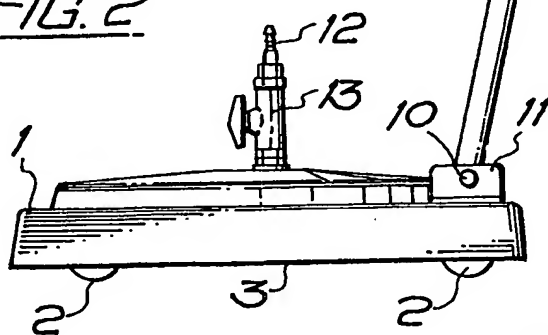
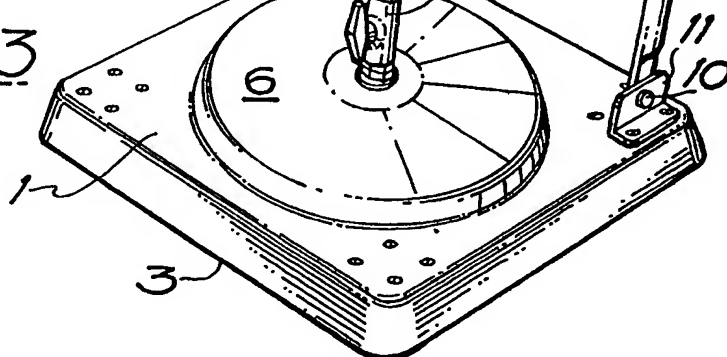
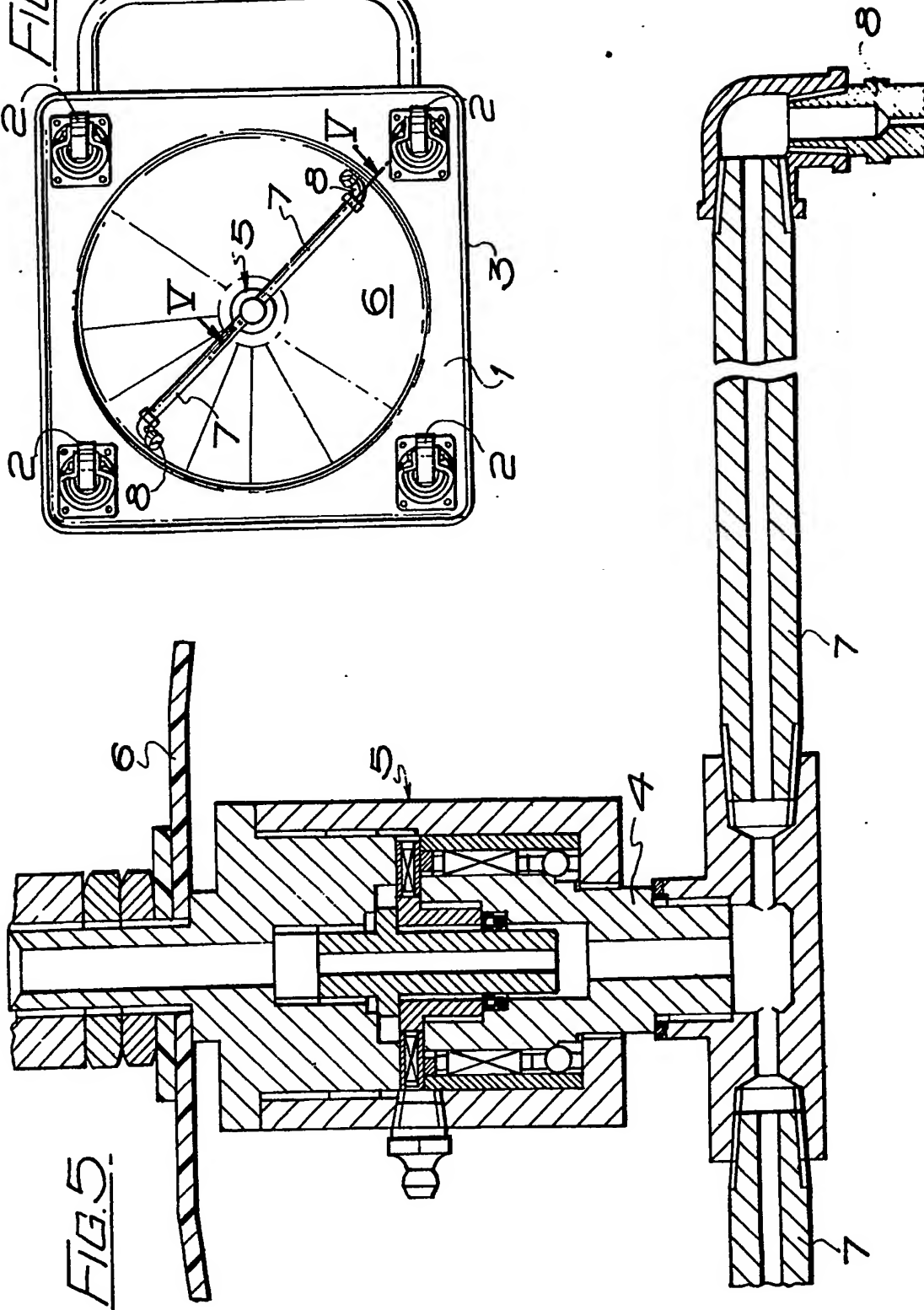
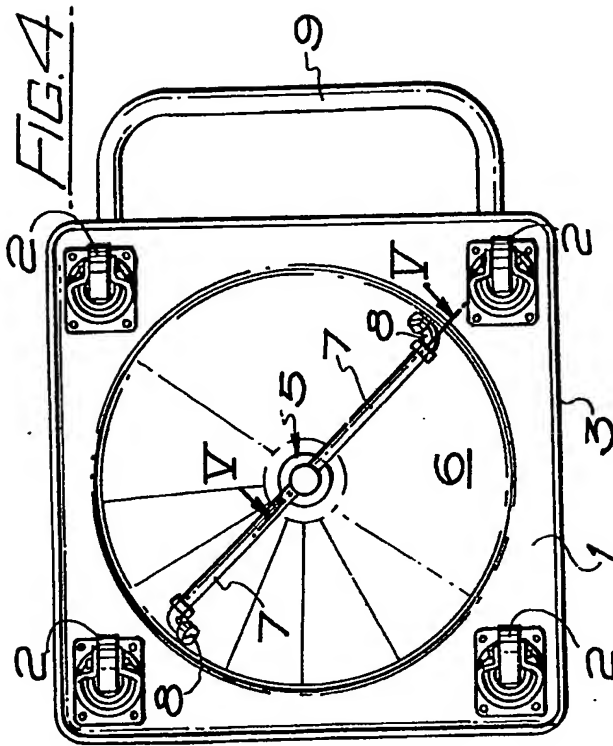


FIG. 1FIG. 2FIG. 3



## SPECIFICATION

## A device for cleaning floors or decks

5 This invention relates to a device for cleaning floors or decks of, for example, ships (e.g., oil tankers) or oil rigs.

According to the present invention, a device for cleaning floors or decks comprises a hood, wheels  
10 within the hood for supporting the hood with its rim clear of a floor or deck on which the wheels rest, a tubular spindle extending within the hood from a rotary fluid coupling secured to the top of the hood, a plurality of tubular arms radiating from and  
15 communicating with the tubular spindle, a nozzle at the end of each arm inclined to the radial away from the top of the hood, a handle attached to the outside of the hood, and a hose connection on the rotary fluid coupling for a pressure water supply.

20 Pressure water emitting from the nozzles causes the tubular spindle, arms and nozzles to rotate so that the water impinges on the floor or deck in a circular path, but by moving the device around on its wheels by manually pushing and/or pulling with the  
25 handle, a large expanse of floor or deck can be very rapidly cleaned, and the device is very effective for cleaning oily or greasy floors or decks.

The hood is preferably square in plan, with a wheel in each corner, and at least two of the wheels  
30 are preferably castors, to facilitate easy movement of the device over a large area. A circular central portion of the hood is preferably domed (slightly) to afford added space inside for accommodating the rotary fluid coupling and the tubular arms, which are  
35 preferably two in number, so as to give a balanced action with powerful cleaning.

The handle is preferably of the bail type with its ends on horizontal pivots on brackets on the hood.

An embodiment of the invention will now be described, by way of example only, with reference to the accompanying drawings, in which:-

*Figure 1* is a plan of a device in accordance with the invention;

*Figure 2* is a side elevation of the device of *Figure 1*;

*Figure 3* is a perspective view of the device;

*Figure 4* is an underneath plan of the device; and

*Figure 5* is an enlarged fragmentary vertical section on the line V - V of *Figure 4*.

50 The device shown in the drawings is for cleaning floors or decks of, for example, ships (e.g. oil tankers) or oil rigs and comprises a square hood 1, castor wheels 2 within the corners of the hood for supporting the hood with its rim 3 clear of a floor or  
55 deck (not shown) on which the wheels rest, a tubular spindle 4 extending within the hood from a rotary fluid coupling 5 secured to the domed top 6 of the hood, a pair of tubular arms 7 radiating from and communicating with the tubular spindle, a nozzle 8  
60 at the end of each arm inclined to the radial away from the top of the hood, a bail-type handle 9 with its ends on horizontal pivots 10 on brackets 11 on the hood, and a hose connection 12 for a pressure water supply (not shown) forming part of a stop cock 13 on  
65 the rotary fluid coupling.

Pressure water emitting from the nozzles 8 causes the tubular spindle 4, arms 7 and nozzles 8 to rotate so that the water impinges on the floor or deck in a circular path, but by moving the device around on its  
70 wheels by manually pushing and/or pulling with the handle 9, a large expanse of floor or deck can be very rapidly cleaned, and the device is very effective for cleaning oily or greasy floors or decks.

## 75 CLAIMS

1. A device for cleaning floors or decks comprising a hood, wheels within the hood for supporting the hood with its rim clear of a floor or deck on which  
80 the wheels rest, a tubular spindle extending within the hood from a rotary fluid coupling secured to the top of the hood, a plurality of tubular arms radiating from and communicating with the tubular spindle, a nozzle at the end of each arm inclined to the radial  
85 away from the top of the hood, a handle attached to the outside of the hood, and a hose connection on the rotary fluid coupling for a pressure water supply.

2. A device as in Claim 1, wherein the hood is square in plan, with a wheel in each corner, and at least two of the wheels are castors, to facilitate easy  
90 movement of the device over a large area.

3. A device as in Claim 2, wherein a circular central portion of the hood is domed, to afford added space inside for accommodating the rotary fluid  
95 coupling and the tubular arms.

4. A device as in any one of Claims 1 to 3, wherein the tubular arms are two in number.

5. A device as in any one Claims 1 to 4, wherein the handle is of the bail type with its ends on  
100 horizontal pivots on brackets on the hood.

6. A device for cleaning floors or decks substantially as hereinbefore described with reference to the accompany drawings.

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